

PAPER MAKING ✓

✓ Produced by Ford Motor Company, Detroit, Michigan.

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Both the Chinese and the Egyptians were centuries ahead of anyone else in the making of paper. Papyrus (paper) plant grew on the banks of the Nile, so it was "easy picking" for the Egyptians.

Reducing logs to pulp.

Cutting and barking the logs. Revolving barking drum causes the logs to pump against each other, thus knocking off the bark.

Splitting and removing dirt spots.

A chip off the old block, which is ~~cooked~~ to a soft fiber.

Knots and undigested particles are removed, then the pulp is screened.

Bleaching and gathering in larger sheets for storage.

Reducing rags to pulp.

After threshing the rags to remove dirt, they are sorted according to color and quality. Buttons, hooks, eyes, etc., are removed.

The rags are next cut up into small pieces, showing a higher form of rag-chewing.

Cleansing in a chemically sealed boiler for 12 hours.

Beatings have caused more than one separation and the rags are no exception, for they are beaten to a pulp called "Half Stock".

The "Half Stock" is then dumped into a drainer, where it remains for a week more. The result is beautiful white "Half Stock".

Get ready for another beating which is to last from five to twelve hours, until every fiber is separated into short lengths. Body sizing is then mixed in.

Making pulp into paper.

The old laborious way of making paper.

Now huge machines make thousands of pounds of paper per hour.

Sand boxes and magnets are arranged so that all grit and metal are removed. The "Half Stock" is then diluted with war water and screened.

98% water to 2% pulp and made to travel a shaking screen thus removing the water and forming the pulp into a long web of paper.

Rollers pull out the water and weave the fiber together by a side shaking motion.

Voted dry by 280 degrees.

Putting on top sizing.

Finishing.

Cutting, sorting, trimming and counting.

A number of sheets pasted together and pressed under sixty tons pressure, then dried, makes cardboard.

Making book cover.

Plater room.

Envelope making.

Ready for use.

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